

REMARKS

The application has been reviewed in light of the Final Office Action mailed on October 11, 2006. Claims 14-28 are currently pending in the application, with Claims 14 and 21 being in independent form. By this Amendment document, Claims 14 and 18-21 have been amended. It is respectfully submitted that the claims pending in the application, namely Claims 14-28 are fully supported by the specification, introduce no new subject matter, and are patentable over the prior art.

Rejection of Claims under 35 U.S.C. § 112

Claims 14-20 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. According to the Office Action, the claims contain subject matter which was not described in the specification. Applicants have amended independent Claim 14 in a manner believed to overcome this rejection. In particular, amended Claim 14 recites “a set of conductive pins positioned on said pads, wherein said conductive pins are formed as an integral part of said pads.” It is respectfully submitted that the recitation of amended Claim 14 is described in the specification and does not constitute new matter. In particular, FIGS. 1-9, clearly illustrate that conductive pins 60 are manufactured as an integral part of the substrate. Accordingly, it is respectfully requested that the rejection of independent Claim 14 be withdrawn.

Claims 21-28 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regard as the invention. In particular, the Examiner objected to the recitation “connection members are integral members” in independent Claim 21. Applicants have amended Claim 21 in a manner believed to overcome this rejection. In particular, Claim 21 has

been amended to recite “said plurality of electrical connection members is formed as an integral component of said plurality of pads.” It is respectfully submitted that the recitations of amended Claim 21 is described in the specification and does not constitute new matter. Accordingly, it is respectfully requested that the rejection of independent Claim 21 be withdrawn.

Rejection of Claims under 35 U.S.C. § 103

Claims 14-20 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Miller et al. (US 4,518,112) in view of Oh et al. (US 2004/0134974). Applicants have amended independent Claim 14 in a manner believed to overcome the rejection.

It is respectfully submitted that independent Claim 14 is patentable over the combination of these two references. For example, the combination fails to disclose or suggest the recited “set of conductive pins positioned on said pads, wherein said conductive pins are formed as an integral part of said pads,” as recited in Claim 14. In contrast, Miller et al., for example, teaches that pin 10 is *bonded* to a ceramic substrate 12. Column 3, lines 46-47. Accordingly, it is respectfully requested that the rejection of independent Claim 14 be withdrawn.

Claims 15-20 depend directly from independent Claim 14 and are therefore patentable for at least the reasons given hereinabove for independent Claim 14. It is respectfully requested that the rejection of these claims be withdrawn.

Rejection of Claims under 35 U.S.C. § 102

Claims 21-28 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Chow et al. (US 6,413,851). Applicants have amended independent Claim 21 in a manner believed to overcome the rejection.

It is respectfully submitted that independent Claim 21 is patentable Chow et al. For example, Chow does not disclose or suggest “said plurality of electrical connection members is formed as an integral component of said plurality of pads,” as recited by independent Claim 21. Accordingly, it is respectfully requested that the rejection of independent Claim 14 be withdrawn.

Claims 22-28 depend directly from independent Claim 21 and are therefore patentable for at least the reasons independent Claim 21 is patentable. It is respectfully requested that the rejection of these claims be withdrawn.

Conclusion

In view of the foregoing amendments and remarks, it is respectfully submitted all claims now pending in this application, namely Claims 14-28 are now in condition for allowance. Accordingly, early and favorable consideration of this application is respectfully requested. Should the Examiner believe that a telephone or personal interview may facilitate resolution of any remaining matters, he is respectfully requested to contact Applicants undersigned attorney at the telephone number indicated below.

No fee is believed to be due for the submission of this amendment. If any fees are required, however, the Commissioner is authorized to charge such fees to Deposit Account No. 09-0458.

Respectfully Submitted,


Rosa Suazo
Reg. No. 56,753
Attorney for Applicants
Phone: (845) 892-9701

International Business Machines Corporation
D/18G, B/321, Zip 482
2070 Route 52
Hopewell Junction, NY 12533
Phone: (845) 892-9701
Fax: (845) 892-6363